File View Edit Tools Window Help

Drafts
Pending
Active
L1: (1040957) defect or error or fault
L2: (1708950) adjacent
L3: (18360) 1 with 2
L4: (108580) disk adj1 drive
L5: (4101) sector adj1 address
L6: (1) 3 same 4 same 5
L7: (131) 3 and 4 and 5
L8: (1970154) log or memory or storage
L9: (123) 7 and 8
L10: (400841) pad or padding
L11: (13) 9 and 10
Failed

Browse   Queue   Clear

DBs: USPAT US-PGPUB EPO JPO IBM TDB
Default operator: OR
Plurals
Highlight all terms indexby

9 and 10

U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P		3		
1	☑	☐	US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.	☐	☐	☐	☐	☐	☐	☐
2	☑	☐	US 20020021517	20020221		Method and apparatus for recording and repro	360/48	360/53		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐	☐
3	☑	☐	US 6747930 B1	20040608		Data protection on an optical disk	369/53.21	369/47.1; 369/84		Weldon, James et al.	☐	☐	☐	☐	☐	☐	☐
4	☑	☐	US 6411458 B1	20020625		Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et al.	☐	☐	☐	☐	☐	☐	☐
5	☑	☐	US 6400523 B1	20020604		Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐	☐
6	☑	☐	US 6223303 B1	20010424		Disk drive having two tiered defect list comp	714/8	714/54		Billings, Russell A. et al.	☐	☐	☐	☐	☐	☐	☐
7	☑	☐	US 6034831 A	20000307		Dynamic reverse reassign apparatus and	360/53	360/31; 360/47;		Dobbek, Jeffrey J. et al.	☐	☐	☐	☐	☐	☐	☐
8	☑	☐	US 5715105 A	19980203		Method of and apparatus for recording on and re	360/48	360/53; 360/77.08		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐	☐
9	☑	☐	US 5589998 A	19961231		Cylinder address storage in multiple ser	360/78.14	360/49; 360/76;		Yu, Mantle M.	☐	☐	☐	☐	☐	☐	☐
10	☑	☐	US 5231545 A	19930727		Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	☐	☐	☐	☐	☐	☐	☐
11	☑	☐	US 4649474 A	19870310		Chip topography for a MOS disk memory control	710/5			Ambrosius, III, William H. et al.	☐	☐	☐	☐	☐	☐	☐
12	☑	☐	US 4549262 A	19851022		Chip topography for a MOS disk memory control	716/1	257/202; 257/923;		Chung, Randall M. et al.	☐	☐	☐	☐	☐	☐	☐
13	☑	☐	US 4398248 A	19830809		Adaptive WSI/MNOS solid state memory system	365/230.03	365/200		Hsia, Yukun et al.	☐	☐	☐	☐	☐	☐	☐

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File View Edit Tools Window Help

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Drafts
Pending
Active
    L1: (1040957) defect or error or fault
    L2: (1708950) adjacent
    L3: (18360) 1 with 2
    L4: (108580) disk adj1 drive
    L5: (4101) sector adj1 address
    L6: (1) 3 same 4 same 5
    L7: (131) 3 and 4 and 5
    L8: (1970154) log or memory or storage
    L9: (123) 7 and 8
Failed
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Browse   Queue   Clear

DBs: USPAT US-PGPUB EPO JPO IBM TDB

Default operator: OR

7 and 8

	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
1	☑	☐	US 20040080988	20040429	35	Flash EEprom system	365/200			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
2	☑	☐	US 20040075933	20040422		Method and apparatus for servo defect manage	360/75			Hetzler, Steven Robert et al.	☐	☐	☐	☐	☐	☐
3	☑	☐	US 20040037202	20040226		Multichannel digital recording system with m	369/94	369/95		Brommer, Karl D. et al.	☐	☐	☐	☐	☐	☐
4	☑	☐	US 20040013062	20040122		Recording medium, its controller and controll	369/47.14	369/275.3		Hino, Yasumori et al.	☐	☐	☐	☐	☐	☐
5	☑	☐	US 20030206449	20031106		Flash EEprom system	365/200			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
6	☑	☐	US 20030202377	20031030		Flash EEprom system	365/185.03	365/185.33		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
7	☑	☐	US 20030137910	20030724		Multi-layered information recording m	369/47.14	369/275.3; 369/283;		Ueda, Hiroshi et al.	☐	☐	☐	☐	☐	☐
8	☑	☐	US 20030135800	20030717		Method for creating defect management infor	714/719			Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
9	☑	☐	US 20030128618	20030710		Flash EEprom system	365/230.03;	365/185.19		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
10	☑	☐	US 20030126528	20030703		Method for creating defect management infor	714/719			Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
11	☑	☐	US 20030126527	20030703		Method for creating defect management infor	714/719			Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
12	☑	☐	US 20030110411	20030612		Flash EEprom system	714/8	711/103		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
13	☑	☐	US 20030097609	20030522		Flash EEprom system	714/8			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
14	☑	☐	US 20030093711	20030515		Flash EEprom system	714/8			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
15	☑	☐	US 20030090941	20030515		Flash EEprom system	365/185.29	365/185.09		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
16	☑	☐	US 20030058570	20030327		Track closure error cancellation for a disc	360/77.04	360/77.08		Min, ShuangQuan et al.	☐	☐	☐	☐	☐	☐
17	☑	☐	US 20030046603	20030306		Flash EEprom system	714/8	716/7		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐

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	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
18	☑	☐	US 20030014689	20030116		Flash EEprom system	714/7			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
19	☑	☐	US 20020191319	20021219		Merged defect entries for defects running in	360/53			Liew, San Yuan et al.	☐	☐	☐	☐	☐	☐
20	☑	☐	US 20020118624	20020829		Method and apparatus for recording optical i	369/59.25	369/275.3		Shoji, Mamoru et al.	☐	☐	☐	☐	☐	☐
21	☑	☐	US 20020071193	20020613		Disk apparatus	360/31	360/53		Ogawa, Hitoshi et al.	☐	☐	☐	☐	☐	☐
22	☑	☐	US 20020067563	20020606		Position sensing system for a disc drive using	360/53	360/48; 360/77.08;		Belser, Karl Arnold	☐	☐	☐	☐	☐	☐
23	☑	☐	US 20020059539	20020516		HYBRID DATA STORAGE AND RECONSTRUCTION SYSTEM A	714/6	711/112; 711/114;		ANDERSON, DAVID B.	☐	☐	☐	☐	☐	☐
24	☑	☐	US 20020046318	20020418		Flash eeprom system	711/103	365/185.3; 365/185.33		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
25	☑	☐	US 20020042900	20020411		RECORDING MEDIUM FAILURE ANALYSIS APPARA	714/795			SCHACHNER, JOSEPH M. et al.	☐	☐	☐	☐	☐	☐
26	☑	☐	US 20020024900	20020228		Optical disk, optical disk drive apparatus, a	369/47.17			Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
27	☑	☐	US 20020021517	20020221		Method and apparatus for recording and repro	360/48	360/53		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
28	☑	☐	US 20020015372	20020207		Optical disk, optical disk drive apparatus, a	369/59.18			Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
29	☑	☐	US 20010043805	20011122		Optical disc recording apparatus, computer-rea	386/126			Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
30	☑	☐	US 20010043804	20011122		Optical disc recording apparatus, computer-rea	386/126			Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
31	☑	☐	US 20010026472	20011004		Flash EEprom system	365/185.03	365/185.11;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
32	☑	☐	US 20010024386	20010927		Flash EEprom system	365/200			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
33	☑	☐	US 20010002174	20010531		Flash EEprom system	365/185.33	365/185.11;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
34	☑	☐	US 6763480 B2	20040713		Flash EEprom system	714/8	365/185.09;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
35	☑	☐	US 6757842 B2	20040629		Flash EEprom system	714/7	365/185.12;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
36	☑	☐	US 6754860 B2	20040622		Method for creating defect management infor	714/723	714/747		Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
37	☑	☐	US 6747930 B1	20040608		Data protection on an optical disk	369/53.21	369/47.1; 369/84		Weldon, James et al.	☐	☐	☐	☐	☐	☐
38	☑	☐	US 6738205 B1	20040518		Self-writing of servo patterns in disk drives	360/17	360/75		Moran, Patrick et al.	☐	☐	☐	☐	☐	☐
39	☑	☐	US 6704838 B2	20040309		Hybrid data storage and reconstruction system a	711/114			Anderson, David B.	☐	☐	☐	☐	☐	☐
40	☑	☐	US 6691265 B2	20040210		Method for creating defect management infor	714/723	714/747		Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
41	☑	☐	US 6684345 B2	20040127		Flash EEprom system	714/8	365/185.02;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
42	☑	☐	US 6564345	20030513		Method for creating	714/723	714/747		Kim, Byung-Jin et						

#			Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
43	☑	☐	US 6529460 B1	20030304		Detection of pulse peak instance and amplitude	369/59.21	369/124.05 ;		Belser, Karl A.	☐	☐	☐	☐	☐	☐
44	☑	☐	US 6523132 B1	20030218		Flash EEprom system	714/8	714/710; 714/723		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
45	☑	☐	US 6519185 B2	20030211		Flash EEprom system	365/185.33	365/185.11 ;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
46	☑	☐	US 6493306 B2	20021210		Optical disk, optical disk drive apparatus, a	369/59.18	369/124.15		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
47	☑	☐	US 6490115 B1	20021203		Error recovery in unit using GMR sensor	360/75	360/313; 360/324;		Suzuki, Hiroaki et al.	☐	☐	☐	☐	☐	☐
48	☑	☐	US 6466530 B1	20021015		Optical disk, optical disk drive apparatus, a	369/47.17	369/124.15 ;		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
49	☑	☐	US 6462992 B2	20021008		Flash EEprom system	365/185.33	365/185.19		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
50	☑	☐	US 6442730 B1	20020827		Recording medium failure analysis appara	714/795	369/47.27; 714/794		Schachner, Joseph M. et al.	☐	☐	☐	☐	☐	☐
51	☑	☐	US 6438079 B1	20020820		Optical disk, optical disk drive apparatus, a	369/47.17	369/275.4; 369/44.26;		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
52	☑	☐	US 6414876 B1	20020702		Flash EEprom system	365/185.22	365/185.03		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
53	☑	☐	US 6411458 B1	20020625		Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et al.	☐	☐	☐	☐	☐	☐
54	☑	☐	US 6400523 B1	20020604		Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
55	☑	☐	US 6377958 B1	20020423		File system conversion	707/200			Orcutt, Niel	☐	☐	☐	☐	☐	☐
56	☑	☐	US 6373747 B1	20020416		Flash EEprom system	365/185.09	365/185.03		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
57	☑	☐	US 6370325 B2	20020409		Optical disc recording apparatus, computer-rea	386/126	386/125; 386/70		Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
58	☑	☐	US 6353704 B1	20020305		Optical disc recording apparatus, computer-rea	386/126	386/125; 386/70		Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
59	☑	☐	US 6339677 B1	20020115		Picture signal recording and reproduci	386/125	386/124; 386/45		Kihara, Toshiaki	☐	☐	☐	☐	☐	☐
60	☑	☐	US 6337845 B1	20020108		Optical disk format having a continuous rec	369/275.3	369/275.4		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
61	☑	☐	US 6321358 B1	20011120		Object reconstruction on object oriented data	714/763			Anderson, David B.	☐	☐	☐	☐	☐	☐
62	☑	☐	US 6304485 B1	20011016		Flash EEprom system	365/185.09			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
63	☑	☐	US 6285827 B1	20010904		Optical disc recording apparatus, computer-rea	386/126	386/128; 386/70		Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
64	☑	☐	US 6279089 B1	20010821		Defective data site management through a sh	711/162	711/111; 711/112;		Schibilla, Mark R. et al.	☐	☐	☐	☐	☐	☐
65	☑	☐	US 6263459 B1	20010717		On the fly write reallocation	714/710			Schibilla, Mark R.	☐	☐	☐	☐	☐	☐
66	☑	☐	US 6226138 B1	20010501		Encoded TID with error detection and correctio	360/48	360/49		Blaum, Mario et al.	☐	☐	☐	☐	☐	☐
67	☑	☐	US 6223303 B1	20010424		Disk drive having two	714/8	714/54		Billings, Russell	☐	☐	☐	☐	☐	☐

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	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
68	☑	☐	US 6201775 B1	20010313		Optical disk format having a continuous rec	369/44.29	369/44.28; 369/53.28		Nakane, Kazuhiko et al.	○	○	○	○	○	○
69	☑	☐	US 6185575 B1	20010206		In-place disk partition canonization and storag	707/200	711/112; 711/113;		Orcutt, Niel	○	○	○	○	○	○
70	☑	☐	US 6149316 A	20001121		Flash EEprom system	714/8	365/218; 714/7		Harari, Eliyahou et al.	○	○	○	○	○	○
71	☑	☐	US 6125469 A	20000926		Error correction method and apparatus	714/769			Zook, Christopher P. et al.	○	○	○	○	○	○
72	☑	☐	US 6118924 A	20000912		Optical disc recording apparatus computer-read	386/70	386/125; 386/126		Nakatani, Tokuo et al.	○	○	○	○	○	○
73	☑	☐	US 6091699 A	20000718		Optical disk format having a continuous rec	369/275.3	369/124.01;		Nakane, Kazuhiko et al.	○	○	○	○	○	○
74	☑	☐	US 6078463 A	20000620		Method and system for generating a position e	360/77.12	360/48		Pahr, Per Olaf	○	○	○	○	○	○
75	☑	☐	US 6067284 A	20000523		Recording power adjustment for optical	369/116	369/53.26		Ikeda, Toru et al.	○	○	○	○	○	○
76	☑	☐	US 6043945 A	20000328		Recording/reproducing device and method of re	360/53	360/47; 714/704;		Tsuboi, Takehiko et al.	○	○	○	○	○	○
77	☑	☐	US 6034831 A	20000307		Dynamic reverse reassign apparatus and	360/53	360/31; 360/47;		Dobbek, Jeffrey J. et al.	○	○	○	○	○	○
78	☑	☐	US 5999446 A	19991207		Multi-state flash EEprom system with sele	365/185.03	365/185.09;		Harari, Eliyahou et al.	○	○	○	○	○	○
79	☑	☐	US 5991517 A	19991123		Flash EEprom system with cell by cell progr	714/3	714/8		Harari, Eliyahou et al.	○	○	○	○	○	○
80	☑	☐	US 5936971 A	19990810		Multi-state flash EEprom system with cach	714/710	365/200; 711/136		Harari, Eliyahou et al.	○	○	○	○	○	○
81	☑	☐	US 5933410 A	19990803		Optical disc and optical disc driving ap	369/275.3	369/275.4		Nakane, Kazuhiko et al.	○	○	○	○	○	○
82	☑	☐	US 5877986 A	19990302		Multi-state Flash EEprom system on a card	365/185.33	365/185.09		Harari, Eliyahou et al.	○	○	○	○	○	○
83	☑	☐	US 5867475 A	19990202		Optical record carrier and method for recordin	369/275.3	369/59.24		Moriya, Mitsurou et al.	○	○	○	○	○	○
84	☑	☐	US 5862080 A	19990119		Multi-state flash EEprom system with defe	365/185.29	365/185.33;		Harari, Eliyahou et al.	○	○	○	○	○	○
85	☑	☐	US 5838658 A	19981117		Optical disc	369/275.4	369/275.2; 369/275.3;		Nakane, Kazuhiko et al.	○	○	○	○	○	○
86	☑	☐	US 5835509 A	19981110		Method of and apparatus for recording and repro	714/755	714/762		Sako, Yoichiro et al.	○	○	○	○	○	○
87	☑	☐	US 5732066 A	19980324		Optical record carrier and method for recordin	369/59.26	369/275.3		Moriya, Mitsurou et al.	○	○	○	○	○	○
88	☑	☐	US 5719808 A	19980217		Flash EEPROM system	365/185.33	365/185.22;		Harari, Eliyahou et al.	○	○	○	○	○	○
89	☑	☐	US 5715105 A	19980203		Method of and apparatus for recording on and re	360/48	360/53; 360/77.08		Katayama, Yukari et al.	○	○	○	○	○	○
90	☑	☐	US 5712836 A	19980127		Apparatus and method for adjusting a rotatio	369/47.46			Kamoto, Hidetoshi et al.	○	○	○	○	○	○
91	☑	☐	US 5708649 A	19980113		Optical disk capable of storing information dat	369/275.3	369/47.19; 369/47.4;		Kamoto, Hidetoshi et al.	○	○	○	○	○	○
92	☑	☐	US 5671229 A	19970923		Flash eeprom system	714/710	365/200;		Harari, Eliyahou	○	○	○	○	○	○

#	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
93	☑	☐	US 5640383 A	19970617		Apparatus and method for reproducing data fr	369/275.3	369/44.26		Kamoto, Hidetoshi et al.	☐	☐	☐	☐	☐	☐
94	☑	☐	US 5615205 A	19970325		Bi-level optical media having embossed header	369/275.4	369/275.3		Belser, Karl	☐	☐	☐	☐	☐	☐
95	☑	☐	US 5602987 A	19970211		Flash EEprom system	714/8	365/200; 365/210;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
96	☑	☐	US 5602857 A	19970211		Error correction method and apparatus	714/769	714/765		Zook, Christopher P. et al.	☐	☐	☐	☐	☐	☐
97	☑	☐	US 5589998 A	19961231		Cylinder address storage in multiple ser	360/78.14	360/49; 360/76;		Yu, Mantle M.	☐	☐	☐	☐	☐	☐
98	☑	☐	US 5535328 A	19960709		Non-volatile memory system card with flash	714/7	365/218; 710/13;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
99	☑	☐	US 5490264 A	19960206		Generally-diagonal mapping of address spac	711/154	711/100; 711/217;		Wells, Steven et al.	☐	☐	☐	☐	☐	☐
100	☑	☐	US 5463603 A	19951031		Computer disk drive integrated data path ci	360/67	360/61; 360/65;		Petersen, Corey D.	☐	☐	☐	☐	☐	☐
101	☑	☐	US 5420730 A	19950530		Servo data recovery circuit for disk drive	360/77.08	360/51; 360/78.14		Moon, Ronald R. et al.	☐	☐	☐	☐	☐	☐
102	☑	☐	US 5418852 A	19950523		Unauthorized use prevention method for o	705/57	360/60; 713/193		Itami, Satoshi et al.	☐	☐	☐	☐	☐	☐
103	☑	☐	US 5418752 A	19950523		Flash EEPROM system with erase sector selec	365/218	365/185.09;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
104	☑	☐	US 5303219 A	19940412		Reclamation of dust contaminated sectors in	369/53.17	369/53.24		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
105	☑	☐	US 5297148 A	19940322		Flash eeprom system	714/710	365/185.09;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
106	☑	☐	US 5293565 A	19940308		Fortmat for data-storing disk media	369/275.3	360/48		Jaquette, Glen A. et al.	☐	☐	☐	☐	☐	☐
107	☑	☐	US 5231545 A	19930727		Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
108	☑	☐	US 5212677 A	19930518		Defect inspecting apparatus for disc-shap	369/53.17	360/31; 369/30.07;		Shimote, Yuuji et al.	☐	☐	☐	☐	☐	☐
109	☑	☐	US 5161136 A	19921103		Servo error detecting method of an optical di	369/30.11	369/44.26; 369/44.34		Segawa, Hideki	☐	☐	☐	☐	☐	☐
110	☑	☐	US 5077720 A	19911231		Optical information recording and reproduci	369/59.25	369/53.13; 369/59.26;		Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
111	☑	☐	US 5065382 A	19911112		Disc memory apparatus	369/44.26	360/77.05; 360/77.08;		Seko, Satoru et al.	☐	☐	☐	☐	☐	☐
112	☑	☐	US 4949326 A	19900814		Optical information recording and reproduci	369/53.17			Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
113	☑	☐	US 4914645 A	19900403		Optical disk tracking and seeking systems and	369/44.26	369/105; 369/124.05		Getreuer, Kurt W. et al.	☐	☐	☐	☐	☐	☐
114	☑	☐	US 4914530 A	19900403		Media defect management within disk drive secto	360/48	360/49; 360/50		Graham, Randolph H. et al.	☐	☐	☐	☐	☐	☐
115	☑	☐	US 4862295 A	19890829		Method of formatting a storage medium and driv	360/48	360/49; 369/59.25;		Tanaka, Shinichi et al.	☐	☐	☐	☐	☐	☐
116	☑	☐	US 4813011 A	19890314		Data processing peripheral subsystems h	711/4	360/77.03; 360/78.14;		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
117	☑	☐	US 4797868 A	19890110		Optical system	369/44.12	250/201.4;		Ando, Hideo	☐	☐	☐	☐	☐	☐

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	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
100	☑	☐	US 5463603 A	19951031		Computer disk drive integrated data path ci	360/67	360/61; 360/65;		Petersen, Corey D.	☐	☐	☐	☐	☐	☐
101	☑	☐	US 5420730 A	19950530		Servo data recovery circuit for disk drive	360/77.08	360/51; 360/78.14		Moon, Ronald R. et al.	☐	☐	☐	☐	☐	☐
102	☑	☐	US 5418852 A	19950523		Unauthorized use prevention method for o	705/57	360/60; 713/193		Itami, Satoshi et al.	☐	☐	☐	☐	☐	☐
103	☑	☐	US 5418752 A	19950523		Flash EEPROM system with erase sector selec	365/218	365/185.09		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
104	☑	☐	US 5303219 A	19940412		Reclamation of dust contaminated sectors in	369/53.17	369/53.24		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
105	☑	☐	US 5297148 A	19940322		Flash eeprom system	714/710	365/185.09 ;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
106	☑	☐	US 5293565 A	19940308		Fortmat for data-storing disk media	369/275.3	360/48		Jaquette, Glen A. et al.	☐	☐	☐	☐	☐	☐
107	☑	☐	US 5231545 A	19930727		Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
108	☑	☐	US 5212677 A	19930518		Defect inspecting apparatus for disc-shap	369/53.17	360/31; 369/30.07		Shimote, Yuuji et al.	☐	☐	☐	☐	☐	☐
109	☑	☐	US 5161136 A	19921103		Servo error detecting method of an optical di	369/30.11	369/44.26; 369/44.34		Segawa, Hideki	☐	☐	☐	☐	☐	☐
110	☑	☐	US 5077720 A	19911231		Optical information recording and reproduci	369/59.25	369/53.13; 369/59.26;		Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
111	☑	☐	US 5065382 A	19911112		Disc memory apparatus	369/44.26	360/77.05; 360/77.08;		Seko, Satoru et al.	☐	☐	☐	☐	☐	☐
112	☑	☐	US 4949326 A	19900814		Optical information recording and reproduci	369/53.17			Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
113	☑	☐	US 4914645 A	19900403		Optical disk tracking and seeking systems and	369/44.26	369/105; 369/124.05		Getreuer, Kurt W. et al.	☐	☐	☐	☐	☐	☐
114	☑	☐	US 4914530 A	19900403		Media defect management within disk drive secto	360/48	360/49; 360/50		Graham, Randolph H. et al.	☐	☐	☐	☐	☐	☐
115	☑	☐	US 4862295 A	19890829		Method of formatting a storage medium and driv	360/48	360/49; 369/59.25;		Tanaka, Shinichi et al.	☐	☐	☐	☐	☐	☐
116	☑	☐	US 4813011 A	19890314		Data processing peripheral subsystems h	711/4	360/77.03; 360/78.14;		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
117	☑	☐	US 4797868 A	19890110		Optical system employing a laser beam	369/44.12	250/201.4; 365/122;		Ando, Hideo	☐	☐	☐	☐	☐	☐
118	☑	☐	US 4764914 A	19880816		Least squares method and apparatus for deter	369/53.14	360/77.04; 369/111;		Estes, Marvin F. et al.	☐	☐	☐	☐	☐	☐
119	☑	☐	US 4649474 A	19870310		Chip topography for a MOS disk memory control	710/5			Ambrosius, III, William H. et al.	☐	☐	☐	☐	☐	☐
120	☑	☐	US 4647991 A	19870303		Disk channel controller	360/72.2	360/48		Zangenehpour, Saied	☐	☐	☐	☐	☐	☐
121	☑	☐	US 4549262 A	19851022		Chip topography for a MOS disk memory control	716/1	257/202; 257/923;		Chung, Randall M. et al.	☐	☐	☐	☐	☐	☐
122	☑	☐	US 4405952 A	19830920		Apparatus for detecting faulty sectors and for	360/49	360/39; 360/54		Slakmon, Gilbert	☐	☐	☐	☐	☐	☐
123	☑	☐	US 4398248 A	19830809		Adaptive WSI/MNOS solid state memory system	365/230.03	365/200		Hsia, Yukun et al.	☐	☐	☐	☐	☐	☐

Ready

- Drafts
- Pending
- Active
  - L1: (986804) defect or error or fault
  - L2: (1638532) adjacent
  - L3: (17363) 1 with 2
  - L4: (98337) disk adj1 drive
  - L5: (3899) sector adj1 address
  - L6: (1) 3 same 4 same 5
  - L7: (121) 3 and 4 and 5
  - L8: (1874437) log or memory or storage
  - L9: (114) 7 and 8
  - L10: (379051) pad or padding ✓
  - L11: (12) 9 and 10
- Failed
- Saved
- Favorites

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DBs: USPAT US-PGPUB EPO JPO IBM IDB

Default operator: OR

Plurals

Highlight all hit terms initially

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9 and 10
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	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P		S		
1			US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.	✓						
2			US 20020021517	20020221	56	Method and apparatus for recording and repro	360/48	360/53		Katayama, Yukari et al.	✓						
3			US 6411458 B1	20020625	32	Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et al.	✓						
4			US 6400523 B1	20020604	53	Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	✓						
5			US 6223303 B1	20010424	16	Disk drive having two tiered defect list comp	714/8	714/54		Billings, Russell A. et al.	✓						
6			US 6034831 A	20000307	20	Dynamic reverse reassign apparatus and	360/53	360/31; 360/47;		Dobbek, Jeffrey J. et al.	✓						
7			US 5715105 A	19980203	56	Method of and apparatus for recording on and re	360/48	360/53; 360/77.08		Katayama, Yukari et al.	✓						
8			US 5589998 A	19961231	14	Cylinder address storage in multiple ser	360/78.14	360/49; 360/76;		Yu, Mantle M.	✓						
9			US 5231545 A	19930727	25	Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	✓						
10			US 4649474 A	19870310	22	Chip topography for a MOS disk memory control	710/5			Ambrosius, III, William H. et al.	✓						
11			US 4549262 A	19851022	20	Chip topography for a MOS disk memory control	716/1	257/202; 257/923;		Chung, Randall M. et al.	✓						
12			US 4398248 A	19830809	17	Adaptive WSI/MNOS solid state memory system	365/230.03	365/200		Hsia, Yukun et al.	✓						

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Drafts
Pending
Active
- L1: (1040957) defect or error or fault
- L2: (1708950) adjacent
- L3: (18360) 1 with 2
- L4: (108580) disk adj1 drive
- L5: (4101) sector adj1 address
- L6: (1) 3 same 4 same 5
- L7: (131) 3 and 4 and 5
- L8: (1970154) log or memory or storage
- L9: (123) 7 and 8
- L10: (400841) pad or padding
- L11: (13) 9 and 10
- L12: (409276) 10 or padded
- L13: (333) 4 and 5 and 12
- L14: (685031) circumference or circumferential or circumferentially
- L15: (959282) radial or radius or radially
- L16: (58) 13 and 14 and 15
Failed

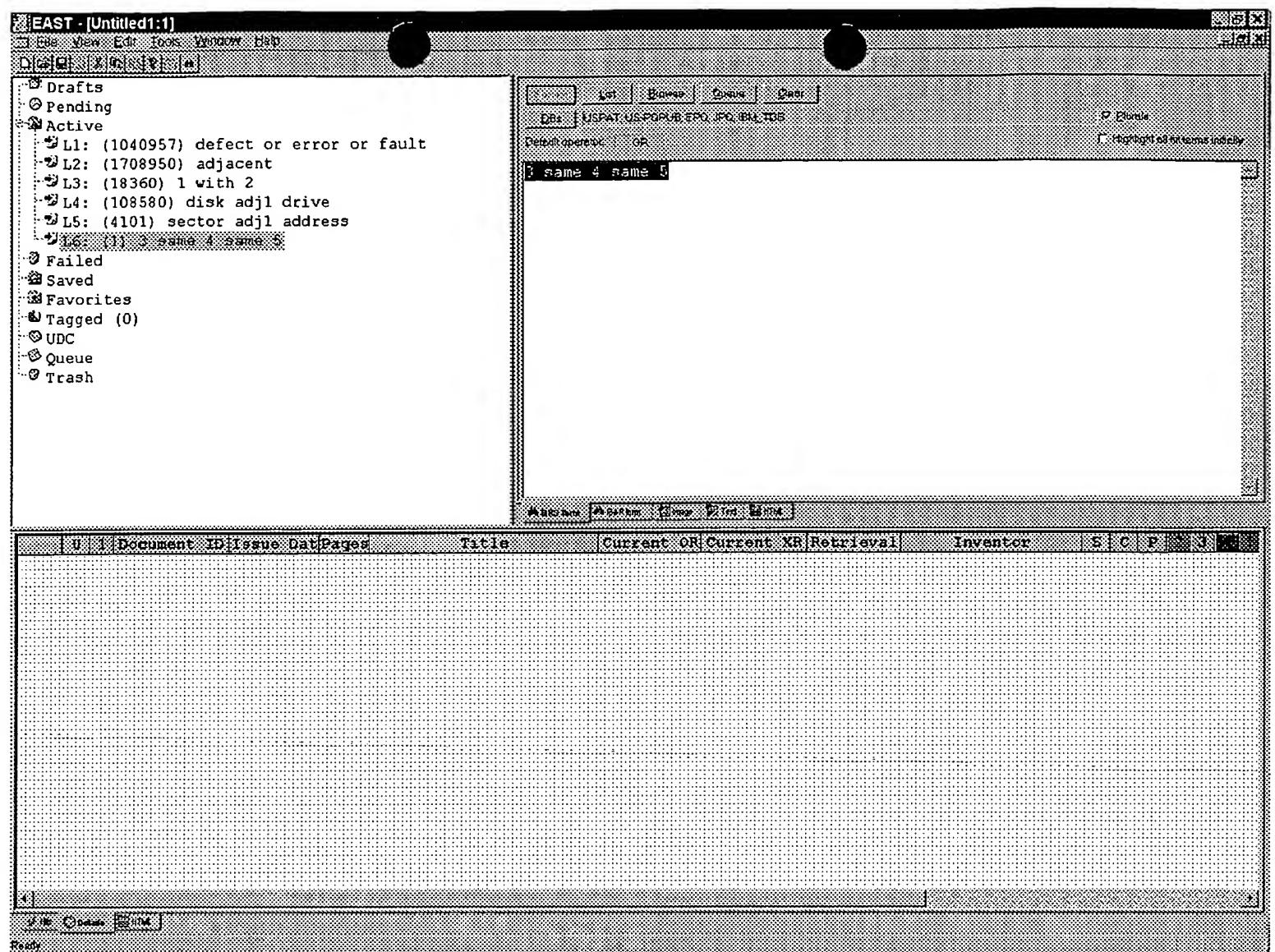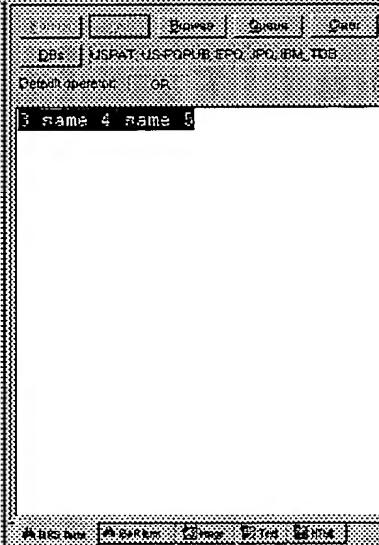DB: USPAT US-PGPUB EPO JPO IBM_TDB
Default operator: OR

13 and 14 and 15

#	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	$		
1	✓		US 20030043495	20030306	23	Massively parallel fixed head disk drive	360/75			Mayer, David F.						
2	✓		US 20030002858	20030102		Recording medium, recording apparatus and	386/98	386/125		Kikuchi, Shinichi et al.						
3	✓		US 20020191963	20021219		Recording medium, recording apparatus and	386/95	386/126		Kikuchi, Shinchi et al.						
4	✓		US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.						
5	✓		US 20020090206	20020711		Recording medium, recording apparatus and	386/111	386/125		Kikuchi, Shinichi et al.						
6	✓		US 20020061186	20020523		Optical disc for coordinating a variable	386/95	386/111; 386/126		Nonomura, Tomoyuki et al.						
7	✓		US 20020021517	20020221	56	Method and apparatus for recording and repro	360/48	360/53		Katayama, Yukari et al.						
8	✓		US 6747930 B1	20040608	53	Data protection on an optical disk	369/53.21	369/47.1; 369/84		Weldon, James et al.						
9	✓		US 6574699 B1	20030603		Fast track reassign in a rotating storage medi	711/4	707/205; 711/201;		Dobbek, Jeff J.						
10	✓		US 6496896 B1	20021217		Transmission apparatus, tr recording apparatus, tr	710/306	369/110.01 ;		Inoue, Hiraku						
11	✓		US 6493503 B2	20021210		Optical disc for coordinating a variable	386/68	386/126		Nonomura, Tomoyuki et al.						
12	✓		US 6441981 B1	20020827		Disk drive including a recording surface emplo	360/51	360/48; 360/77.08		Cloke, Robert Leslie et al.						
13			US 6411458	20020625	32	Disk drive employing	360/75	360/25		Billings, Russell						

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#	U	L	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
12	☑	☐	US 6441981 B1	20020827		Disk drive including a recording surface emplo	360/51	360/48; 360/77.08		Cloke, Robert Leslie et al.	○	○	○	○	○	○
13	☑	☐	US 6411458 B1	20020625	32	Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et al.	○	○	○	○	○	○
14	☑	☐	US 6400523 B1	20020604	53	Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	○	○	○	○	○	○
15	☑	☐	US 6366732 B1	20020402		Machine readable recording medium, repro	386/95	386/125		Murase, Kaoru et al.	○	○	○	○	○	○
16	☑	☐	US 6356707 B1	20020312		Multimedia optical disk, reproduction appa	386/95	386/125; 386/70		Murase, Kaoru et al.	○	○	○	○	○	○
17	☑	☐	US 6356703 B1	20020312		Optical disc for coordinating a variable	386/82	386/126		Nonomura, Tomoyuki et al.	○	○	○	○	○	○
18	☑	☐	US 6295176 B1	20010925		Apparatus and process for identifying sectors	360/48	360/51		Reddy, Prafulla B. et al.	○	○	○	○	○	○
19	☑	☐	US 6262857 B1	20010717		Disk drive including a recording surface emplo	360/51	360/46; 360/48;		Hull, Richard William et al.	○	○	○	○	○	○
20	☑	☐	US 6236528 B1	20010522		Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	○	○	○	○	○	○
21	☑	☐	US 6229952 B1	20010508		Optical disc, reproduction device and	386/95	386/126		Nonomura, Tomoyuki et al.	○	○	○	○	○	○
22	☑	☐	US 6226446 B1	20010501		Machine readable recording medium, repro	386/95	386/125; 386/70		Murase, Kaoru et al.	○	○	○	○	○	○
23	☑	☐	US 6223303 B1	20010424	16	Disk drive having two tiered defect list comp	714/8	714/54		Billings, Russell A. et al.	○	○	○	○	○	○
24	☑	☐	US 6201928 B1	20010313		Reproduction device and method for coordinating	386/68	386/126		Nonomura, Tomoyuki et al.	○	○	○	○	○	○
25	☑	☐	US 6185365 B1	20010206		Multimedia optical disk, reproduction appa	386/95	386/125; 386/70		Murase, Kaoru et al.	○	○	○	○	○	○
26	☑	☐	US 6185058 B1	20010206		No-ID data storage disk drive data sector forma	360/48	360/53; 711/171		Dobbek, Jeffrey Joseph et al.	○	○	○	○	○	○
27	☑	☐	US 6154331 A	20001128		Disk formatter write gate look-ahead device	360/51	360/46; 360/61;		Hanna, Stephen D.	○	○	○	○	○	○
28	☑	☐	US 6134383 A	20001017		Recording medium, recording apparatus and	386/95	386/111		Kikuchi, Shinichi et al.	○	○	○	○	○	○
29	☑	☐	US 6112009 A	20000829		Apparatus and method for reproducing data fr	386/95	386/111; 386/125		Kikuchi, Shinichi et al.	○	○	○	○	○	○
30	☑	☐	US 6108158 A	20000822		Method and apparatus for recording and repro	360/77.04	360/125; 360/48;		Katayama, Yukari et al.	○	○	○	○	○	○
31	☑	☐	US 6034831 A	20000307	20	Dynamic reverse reassign apparatus and	360/53	360/31; 360/47;		Dobbek, Jeffrey J. et al.	○	○	○	○	○	○
32	☑	☐	US 6016959 A	20000125		Card drive apparatus and card	235/449	360/2		Kamo, Masayoshi et al.	○	○	○	○	○	○
33	☑	☐	US 6016530 A	20000118		Mass computer storage system having both soli	711/6	711/1; 711/101;		Auclair, Daniel L. et al.	○	○	○	○	○	○
34	☑	☐	US 5942744 A	19990824		Card drive apparatus and card	235/487	235/493; 360/2		Kamo, Masayoshi et al.	○	○	○	○	○	○
35	☑	☐	US 5937435 A	19990810		System and method for skip-sector mapping in	711/202	711/205; 711/206;		Dobbek, Jeff J. et al.	○	○	○	○	○	○
36	☑	☐	US 5907658	19990525		Multimedia optical	386/95	386/125;		Murase, Kaoru et	○	○	○	○	○	○

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U	1	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
35	☑	☐	US 5937435 A	19990810		System and method for skip-sector mapping in	711/202	711/205; 711/206;		Dobbek, Jeff J. et al.	☐	☐	☐	☐	☐	☐
36	☑	☐	US 5907658 A	19990525		Multimedia optical disk reproduction appa	386/95	386/125; 386/70		Murase, Kaoru et al.	☐	☐	☐	☐	☐	☐
37	☑	☐	US 5890209 A	19990330		System and method for reducing target track s	711/112	360/78.04; 360/78.14		Dobbek, Jeffrey Joseph	☐	☐	☐	☐	☐	☐
38	☑	☐	US 5818654 A	19981006		Apparatus and process for managing defective	360/53	360/48; 360/49;		Reddy, Prafulla B. et al.	☐	☐	☐	☐	☐	☐
39	☑	☐	US 5778418 A	19980707		Mass computer storage system having both soli	711/101	711/103; 711/111;		Auclair, Daniel L. et al.	☐	☐	☐	☐	☐	☐
40	☑	☐	US 5768044 A	19980616		Zoned recording embedded servo disk dri	360/77.08	360/78.14		Hetzler, Steven Robert et al.	☐	☐	☐	☐	☐	☐
41	☑	☐	US 5734788 A	19980331		Multimedia optical disc which can preserve the	386/126	386/125		Nonomura, Tomoyuki et al.	☐	☐	☐	☐	☐	☐
42	☑	☐	US 5715105 A	19980203	56	Method of and apparatus for recording on and re	360/48	360/53; 360/77.08		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
43	☑	☐	US 5589998 A	19961231	14	Cylinder address storage in multiple ser	360/78.14	360/49; 360/76;		Yu, Mantle M.	☐	☐	☐	☐	☐	☐
44	☑	☐	US 5581418 A	19961203		Magnetic disk drive unit capable of determi	360/51	360/77.08; 360/78.14		Hasebe, Masahiro	☐	☐	☐	☐	☐	☐
45	☑	☐	US 5546535 A	19960813		Multiple controller sharing in a redundant	714/9	714/42		Stallmo, David C. et al.	☐	☐	☐	☐	☐	☐
46	☑	☐	US 5535069 A	19960709		Very high-density diskette format method	360/77.03	360/135; 360/77.04		Chiao, James et al.	☐	☐	☐	☐	☐	☐
47	☑	☐	US 5523903 A	19960604		Sector architecture for fixed block disk drive	360/77.08	360/48; 360/51		Hetzler, Steven R. et al.	☐	☐	☐	☐	☐	☐
48	☑	☐	US 5517631 A	19960514		Miniature disk drive having embedded sector	711/111	360/77.02; 360/77.08;		Machado, Michael G. et al.	☐	☐	☐	☐	☐	☐
49	☑	☐	US 5515212 A	19960507		Very high-density diskette format method	360/77.03	360/48		Chiao, James et al.	☐	☐	☐	☐	☐	☐
50	☑	☐	US 5475540 A	19951212		Magnetic data storage disk drive with data bl	360/48	360/51; 360/77.08		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
51	☑	☐	US 5392176 A	19950221		Recording/reproducing device employing device	360/97.01	310/156.34;		Anderson, Scott K.	☐	☐	☐	☐	☐	☐
52	☑	☐	US 5255136 A	19931019		High capacity submicro-winchester fix	360/77.02	360/77.05; 360/77.08		Machado, Michael G. et al.	☐	☐	☐	☐	☐	☐
53	☑	☐	US 5231545 A	19930727	25	Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
54	☑	☐	US 5227930 A	19930713		Head position recalibration for disk	360/78.04	360/77.03; 360/77.04;		Thanos, William N. et al.	☐	☐	☐	☐	☐	☐
55	☑	☐	US 5140683 A	19920818		Method for dispatching work requests in a data	711/117	711/114		Gallo, Frank D. et al.	☐	☐	☐	☐	☐	☐
56	☑	☐	US 5119291 A	19920602		Modular data storage directories for large-c	711/4	360/72.2; 360/78.14;		Flannagan, William J. et al.	☐	☐	☐	☐	☐	☐
57	☑	☐	US 5016121 A	19910514		Disk drive controller system	360/39	360/60; 360/78.04		Peddle, Charles I. et al.	☐	☐	☐	☐	☐	☐
58	☑	☐	US 4827462 A	19890502		Modular data storage directories for large-c	369/30.09			Flannagan, William J. et al.	☐	☐	☐	☐	☐	☐

File View Edit Tools Window Help

Drafts
Pending
Active
  L1: (1040957) defect or error or fault
  L2: (1708950) adjacent
  L3: (18360) 1 with 2
  L4: (108580) disk adj1 drive
  L5: (4101) sector adj1 address
  L6: (1) 3 same 4 same 5
Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

List | Browse | Queue | Clear

DBs: | USPAT,US-PGPUB,EPO,JPO,IBM,TDB

Default operator: OR

Plurals

Highlight all terms indiv.

3 same 4 same 5

	U		Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			

Ready

File View Edit Tools Window Help

Drafts
Pending
Active
 L1: (986804) defect or error or fault
 L2: (1638532) adjacent
 L3: (17363) 1 with 2
 L4: (98337) disk adj1 drive
 L5: (3899) sector adj1 address
 L6: [1] 3 same 4 same 5
Failed
Saved
Favorites
Tagged (0)
UDC
Queue
Trash

DBs: USPAT, US-PGPUB, EPO, JPO, IBM, TDB

Default operator: OR

3 same 4 same 5

U	1	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
1	☑	US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.						

Ready

File View Edit Tools Window Help

- Drafts
- Pending
- Active
  - L1: (986804) defect or error or fault
  - L2: (1638532) adjacent
  - L3: (17363) 1 with 2
  - L4: (98337) disk adj1 drive
  - L5: (3899) sector adj1 address
  - L6: (1) 3 same 4 same 5
  - L7: (121) 3 and 4 and 5
  - L8: (1874437) log or memory or storage
  - L9: (114) 7 and 8
  - L10: (379051) pad or padding
  - L11: (12) 9 and 10
  - L12: (387079) 10 or padded ✓
  - L13: (326) 4 and 5 and 12 ✓
  - L14: (659857) circumference or circumferential or circumferentially ✓
  - L15: (921405) radial or radius or radially ✓
  - L16: (57) 13 and 14 and 15
- Failed
- Saved

13 and 14 and 15

	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P		S	
1	☑	☐	US 20030043495	20030306	23	Massively parallel fixed head disk drive	360/75			Mayer, David F.	☐	☐	☐	☐	☐	☐
2	☑	☐	US 20030002858	20030102		Recording medium, recording apparatus and	386/98	386/125		Kikuchi, Shinichi et al.	☐	☐	☐	☐	☐	☐
3	☑	☐	US 20020191963	20021219		Recording medium, recording apparatus and	386/95	386/126		Kikuchi, Shinchi et al.	☐	☐	☐	☐	☐	☐
4	☑	☐	US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.	☐	☐	☐	☐	☐	☐
5	☑	☐	US 20020090206	20020711		Recording medium, recording apparatus and	386/111	386/125		Kikuchi, Shinichi et al.	☐	☐	☐	☐	☐	☐
6	☑	☐	US 20020061186	20020523		Optical disc for coordinating a variable	386/95	386/111; 386/126		Nonomura, Tomoyuki et al.	☐	☐	☐	☐	☐	☐
7	☑	☐	US 20020021517	20020221	56	Method and apparatus for recording and repro	360/48	360/53		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
8	☑	☐	US 6574699 B1	20030603		Fast track reassign in a rotating storage medi	711/4	707/205; 711/201;		Dobbek, Jeff J.	☐	☐	☐	☐	☐	☐
9	☑	☐	US 6496896 B1	20021217		Transmission apparatus, recording apparatus, tr	710/306	369/110.01 ;		Inoue, Hiraku	☐	☐	☐	☐	☐	☐
10	☑	☐	US 6493503 B2	20021210		Optical disc for coordinating a variable	386/68	386/126		Nonomura, Tomoyuki et al.	☐	☐	☐	☐	☐	☐
11	☑	☐	US 6441981 B1	20020827		Disk drive including a recording surface emplo	360/51	360/48; 360/77.08		Cloke, Robert Leslie et al.	☐	☐	☐	☐	☐	☐
12	☑	☐	US 6411458 B1	20020625	32	Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et al.	☐	☐	☐	☐	☐	☐

Ready

	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
13	☑	☐	US 6400523 B1	20020604	53	Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
14	☑	☐	US 6366732 B1	20020402		Machine readable recording medium, repro	386/95	386/125		Murase, Kaoru et al.	☐	☐	☐	☐	☐	☐
15	☑	☐	US 6356707 B1	20020312		Multimedia optical disk, reproduction appa	386/95	386/125; 386/70		Murase, Kaoru et al.	☐	☐	☐	☐	☐	☐
16	☑	☐	US 6356703 B1	20020312		Optical disc for coordinating a variable	386/82	386/126		Nonomura, Tomoyuki et al.	☐	☐	☐	☐	☐	☐
17	☑	☐	US 6295176 B1	20010925		Apparatus and process for identifying sectors	360/48	360/51		Reddy, Prafulla B. et al.	☐	☐	☐	☐	☐	☐
18	☑	☐	US 6262857 B1	20010717		Disk drive including a recording surface emplo	360/51	360/46; 360/48;		Hull, Richard William et al.	☐	☐	☐	☐	☐	☐
19	☑	☐	US 6236528 B1	20010522		Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
20	☑	☐	US 6229952 B1	20010508		Optical disc, reproduction device and	386/95	386/126		Nonomura, Tomoyuki et al.	☐	☐	☐	☐	☐	☐
21	☑	☐	US 6226446 B1	20010501		Machine readable recording medium, repro	386/95	386/125; 386/70		Murase, Kaoru et al.	☐	☐	☐	☐	☐	☐
22	☑	☐	US 6223303 B1	20010424	16	Disk drive having two tiered defect list comp	714/8	714/54		Billings, Russell A. et al.	☐	☐	☐	☐	☐	☐
23	☑	☐	US 6201928 B1	20010313		Reproduction device and method for coordinating	386/68	386/126		Nonomura, Tomoyuki et al.	☐	☐	☐	☐	☐	☐
24	☑	☐	US 6185365 B1	20010206		Multimedia optical disk, reproduction appa	386/95	386/125; 386/70		Murase, Kaoru et al.	☐	☐	☐	☐	☐	☐
25	☑	☐	US 6185058 B1	20010206		No-ID data storage disk drive data sector forma	360/48	360/53; 711/171		Dobbek, Jeffrey Joseph et al.	☐	☐	☐	☐	☐	☐
26	☑	☐	US 6154331 A	20001128		Disk formatter write gate look-ahead device	360/51	360/46; 360/61;		Hanna, Stephen D.	☐	☐	☐	☐	☐	☐
27	☑	☐	US 6134383 A	20001017		Recording medium, recording apparatus and	386/95	386/111		Kikuchi, Shinichi et al.	☐	☐	☐	☐	☐	☐
28	☑	☐	US 6112009 A	20000829		Apparatus and method for reproducing data fr	386/95	386/111; 386/125		Kikuchi, Shinichi et al.	☐	☐	☐	☐	☐	☐
29	☑	☐	US 6108158 A	20000822		Method and apparatus for recording and repro	360/77.04	360/125; 360/48;		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
30	☑	☐	US 6034831 A	20000307	20	Dynamic reverse reassign apparatus and	360/53	360/31; 360/47;		Dobbek, Jeffrey J. et al.	☐	☐	☐	☐	☐	☐
31	☑	☐	US 6016959 A	20000125		Card drive apparatus and card	235/449	360/2		Kamo, Masayoshi et al.	☐	☐	☐	☐	☐	☐
32	☑	☐	US 6016530 A	20000118		Mass computer storage system having both soli	711/6	711/1; 711/101;		Auclair, Daniel L. et al.	☐	☐	☐	☐	☐	☐
33	☑	☐	US 5942744 A	19990824		Card drive apparatus and card	235/487	235/493; 360/2		Kamo, Masayoshi et al.	☐	☐	☐	☐	☐	☐
34	☑	☐	US 5937435 A	19990810		System and method for skip-sector mapping in	711/202	711/205; 711/206;		Dobbek, Jeff J. et al.	☐	☐	☐	☐	☐	☐
35	☑	☐	US 5907658 A	19990525		Multimedia optical disk, reproduction appa	386/95	386/125; 386/70		Murase, Kaoru et al.	☐	☐	☐	☐	☐	☐
36	☑	☐	US 5890209 A	19990330		System and method for reducing target track s	711/112	360/78.04; 360/78.14		Dobbek, Jeffrey Joseph	☐	☐	☐	☐	☐	☐
37	☑	☐	US 5818654 A	19981006		Apparatus and process	360/53	360/48;		Reddy, Prafulla B.	☐	☐	☐	☐	☐	☐

Drafts

	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P		J	
34	☑	☐	US 5937435 A	19990810		System and method for skip-sector mapping in	711/202	711/205; 711/206;		Dobbek, Jeff J. et al.	☐	☐	☐	☐	☐	☐
35	☑	☐	US 5907658 A	19990525		Multimedia optical disk reproduction appa	386/95	386/125; 386/70		Murase, Kaoru et al.	☐	☐	☐	☐	☐	☐
36	☑	☐	US 5890209 A	19990330		System and method for reducing target track s	711/112	360/78.04; 360/78.14		Dobbek, Jeffrey Joseph	☐	☐	☐	☐	☐	☐
37	☑	☐	US 5818654 A	19981006		Apparatus and process for managing defective	360/53	360/48; 360/49;		Reddy, Prafulla B. et al.	☐	☐	☐	☐	☐	☐
38	☑	☐	US 5778418 A	19980707		Mass computer storage system having both soli	711/101	711/103; 711/111;		Auclair, Daniel L. et al.	☐	☐	☐	☐	☐	☐
39	☑	☐	US 5768044 A	19980616		Zoned recording embedded servo disk dri	360/77.08	360/78.14		Hetzler, Steven Robert et al.	☐	☐	☐	☐	☐	☐
40	☑	☐	US 5734788 A	19980331		Multimedia optical disc which can preserve the	386/126	386/125		Nonomura, Tomoyuki et al.	☐	☐	☐	☐	☐	☐
41	☑	☐	US 5715105 A	19980203	56	Method of and apparatus for recording on and re	360/48	360/53; 360/77.08		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
42	☑	☐	US 5589998 A	19961231	14	Cylinder address storage in multiple ser	360/78.14	360/49; 360/76;		Yu, Mantle M.	☐	☐	☐	☐	☐	☐
43	☑	☐	US 5581418 A	19961203		Magnetic disk drive unit capable of determi	360/51	360/77.08; 360/78.14		Hasebe, Masahiro	☐	☐	☐	☐	☐	☐
44	☑	☐	US 5546535 A	19960813		Multiple controller sharing in a redundant	714/9	714/42		Stallmo, David C. et al.	☐	☐	☐	☐	☐	☐
45	☑	☐	US 5535069 A	19960709		Very high-density diskette format method	360/77.03	360/135; 360/77.04		Chiao, James et al.	☐	☐	☐	☐	☐	☐
46	☑	☐	US 5523903 A	19960604		Sector architecture for fixed block disk drive	360/77.08	360/48; 360/51		Hetzler, Steven R. et al.	☐	☐	☐	☐	☐	☐
47	☑	☐	US 5517631 A	19960514		Miniature disk drive having embedded sector	711/111	360/77.02; 360/77.08;		Machado, Michael G. et al.	☐	☐	☐	☐	☐	☐
48	☑	☐	US 5515212 A	19960507		Very high-density diskette format method	360/77.03	360/48		Chiao, James et al.	☐	☐	☐	☐	☐	☐
49	☑	☐	US 5475540 A	19951212		Magnetic data storage disk drive with data bl	360/48	360/51; 360/77.08		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
50	☑	☐	US 5392176 A	19950221		Recording/reproducing device employing device	360/97.01	310/156.34 ;		Anderson, Scott K.	☐	☐	☐	☐	☐	☐
51	☑	☐	US 5255136 A	19931019		High capacity submicro-winchester fix	360/77.02	360/77.05; 360/77.08		Machado, Michael G. et al.	☐	☐	☐	☐	☐	☐
52	☑	☐	US 5231545 A	19930727	25	Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
53	☑	☐	US 5227930 A	19930713		Head position recalibration for disk	360/78.04	360/77.03; 360/77.04;		Thanos, William N. et al.	☐	☐	☐	☐	☐	☐
54	☑	☐	US 5140683 A	19920818		Method for dispatching work requests in a data	711/117	711/114		Gallo, Frank D. et al.	☐	☐	☐	☐	☐	☐
55	☑	☐	US 5119291 A	19920602		Modular data storage directories for large-c	711/4	360/72.2; 360/78.14;		Flannagan, William J. et al.	☐	☐	☐	☐	☐	☐
56	☑	☐	US 5016121 A	19910514		Disk drive controller system	360/39	360/60; 360/78.04		Peddle, Charles I. et al.	☐	☐	☐	☐	☐	☐
57	☑	☐	US 4827462 A	19890502		Modular data storage directories for large-c	369/30.09			Flannagan, William J. et al.	☐	☐	☐	☐	☐	☐

- Drafts
- Pending
- Active
  - L1: (986804) defect or error or fault
  - L2: (1638532) adjacent
  - L3: (17363) 1 with 2
  - L4: (98337) disk adj1 drive
  - L5: (3899) sector adj1 address
  - L6: (1) 3 same 4 same 5
  - L7: (121) 3 and 4 and 5
  - L8: (1874437) log or memory or storage
  - L9: (114) 7 and 8
- Failed
- Saved

DBs: USPAT, US-PGPUB, EPO, JPO, IBM, TDB

`7 and 8`

	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P		3	
1	☑	☐	US 20040013062	20040122	69	Recording medium, its controller and controll	369/47.14	369/275.3		Hino, Yasumori et al.	☐	☐	☐	☐	☐	☐
2	☑	☐	US 20030206449	20031106		Flash EEprom system	365/200			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
3	☑	☐	US 20030202377	20031030		Flash EEprom system	365/185.03	365/185.33		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
4	☑	☐	US 20030137910	20030724		Multi-layered information recording m	369/47.14	369/275.3; 369/283;		Ueda, Hiroshi et al.	☐	☐	☐	☐	☐	☐
5	☑	☐	US 20030135800	20030717		Method for creating defect management infor	714/719			Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
6	☑	☐	US 20030128618	20030710		Flash EEprom system	365/230.03	365/185.19 ;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
7	☑	☐	US 20030126528	20030703		Method for creating defect management infor	714/719			Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
8	☑	☐	US 20030126527	20030703		Method for creating defect management infor	714/719			Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
9	☑	☐	US 20030110411	20030612		Flash EEprom system	714/8	711/103		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
10	☑	☐	US 20030097609	20030522		Flash EEprom system	714/8			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
11	☑	☐	US 20030093711	20030515		Flash EEprom system	714/8			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
12	☑	☐	US 20030090941	20030515		Flash EEprom system	365/185.29	365/185.09 ;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
13	☑	☐	US 20030058570	20030327		Track closure error cancellation for a disc	360/77.04	360/77.08		Min, ShuangQuan et al.	☐	☐	☐	☐	☐	☐
14	☑	☐	US 20030046603	20030306		Flash EEprom system	714/8	716/7		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
15	☑	☐	US 20030014689	20030116		Flash EEprom system	714/7			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
16	☑	☐	US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.	☐	☐	☐	☐	☐	☐
17			US	20020829		Method and apparatus	369/59.25	369/275.3		Shoji, Mamoru et						

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	U	1	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P		1	
16	☑	☐	US 20020191319	20021219	21	Merged defect entries for defects running in	360/53			Liew, San Yuan et al.	☐	☐	☐	☐	☐	☐
17	☑	☐	US 20020118624	20020829		Method and apparatus for recording optical i	369/59.25	369/275.3		Shoji, Mamoru et al.	☐	☐	☐	☐	☐	☐
18	☑	☐	US 20020071193	20020613		Disk apparatus	360/31	360/53		Ogawa, Hitoshi et al.	☐	☐	☐	☐	☐	☐
19	☑	☐	US 20020067563	20020606		Position sensing system for a disc drive using	360/53	360/48; 360/77.08;		Belser, Karl Arnold	☐	☐	☐	☐	☐	☐
20	☑	☐	US 20020059539	20020516		HYBRID DATA STORAGE AND RECONSTRUCTION SYSTEM A	714/6	711/112; 711/114;		ANDERSON, DAVID B.	☐	☐	☐	☐	☐	☐
21	☑	☐	US 20020046318	20020418		Flash eeprom system	711/103	365/185.3; 365/185.33		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
22	☑	☐	US 20020042900	20020411		RECORDING MEDIUM FAILURE ANALYSIS APPARA	714/795			SCHACHNER, JOSEPH M. et al.	☐	☐	☐	☐	☐	☐
23	☑	☐	US 20020024900	20020228		Optical disk, optical disk drive apparatus, a	369/47.17			Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
24	☑	☐	US 20020021517	20020221		Method and apparatus for recording and repro	360/48	360/53		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
25	☑	☐	US 20020015372	20020207		Optical disk, optical disk drive apparatus, a	369/59.18			Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
26	☑	☐	US 20010043805	20011122		Optical disc recording apparatus, computer-rea	386/126			Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
27	☑	☐	US 20010043804	20011122		Optical disc recording apparatus, computer-rea	386/126			Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
28	☑	☐	US 20010026472	20011004		Flash EEprom system	365/185.03	365/185.11;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
29	☑	☐	US 20010024386	20010927		Flash EEprom system	365/200			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
30	☑	☐	US 20010002174	20010531		Flash EEprom system	365/185.33	365/185.11		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
31	☑	☐	US 6691265 B2	20040210		Method for creating defect management infor	714/723	714/747		Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
32	☑	☐	US 6684345 B2	20040127		Flash EEprom system	714/8	365/185.02;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
33	☑	☐	US 6564345 B1	20030513		Method for creating defect management infor	714/723	714/747		Kim, Byung-Jin et al.	☐	☐	☐	☐	☐	☐
34	☑	☐	US 6529460 B1	20030304		Detection of pulse peak instance and amplitude	369/59.21	369/124.05;		Belser, Karl A.	☐	☐	☐	☐	☐	☐
35	☑	☐	US 6523132 B1	20030218		Flash EEprom system	714/8	714/710; 714/723		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
36	☑	☐	US 6519185 B2	20030211		Flash EEprom system	365/185.33	365/185.11		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
37	☑	☐	US 6493306 B2	20021210		Optical disk, optical disk drive apparatus, a	369/59.18	369/124.15;		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
38	☑	☐	US 6490115 B1	20021203		Error recovery in unit using GMR sensor	360/75	360/313; 360/324;		Suzuki, Hiroaki et al.	☐	☐	☐	☐	☐	☐
39	☑	☐	US 6466530 B1	20021015		Optical disk, optical disk drive apparatus, a	369/47.17	369/124.15;		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
40	☑	☐	US 6462992	20021008		Flash EEprom system	365/185.33	365/185.19		Harari, Eliyahou	☐	☐	☐	☐	☐	☐

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U	1	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3		
41	☑	☐	US 6442730 B1	20020827		Recording medium failure analysis appara	714/795	369/47.27; 714/794		Schachner, Joseph M. et al.	☐	☐	☐	☐	☐	☐
42	☑	☐	US 6438079 B1	20020820		Optical disk, optical disk drive apparatus, a	369/47.17	369/275.4; 369/44.26;		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
43	☑	☐	US 6414876 B1	20020702		Flash EEprom system	365/185.22	365/185.03 ;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
44	☑	☐	US 6411458 B1	20020625		Disk drive employing method of monitoring tr	360/75	360/25		Billings, Russell A. et al.	☐	☐	☐	☐	☐	☐
45	☑	☐	US 6400523 B1	20020604		Method and apparatus for recording and repro	360/77.04	360/77.08; 360/78.14		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
46	☑	☐	US 6377958 B1	20020423		File system conversion	707/200			Orcutt, Niel	☐	☐	☐	☐	☐	☐
47	☑	☐	US 6373747 B1	20020416		Flash EEprom system	365/185.09	365/185.03		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
48	☑	☐	US 6370325 B2	20020409		Optical disc recording apparatus, computer-rea	386/126	386/125; 386/70		Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
49	☑	☐	US 6353704 B1	20020305		Optical disc recording apparatus, computer-rea	386/126	386/125; 386/70		Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
50	☑	☐	US 6339677 B1	20020115		Picture signal recording and reproduci	386/125	386/124; 386/45		Kihara, Toshiaki	☐	☐	☐	☐	☐	☐
51	☑	☐	US 6337845 B1	20020108		Optical disk format having a continuous rec	369/275.3	369/275.4		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
52	☑	☐	US 6321358 B1	20011120		Object reconstruction on object oriented data	714/763			Anderson, David B.	☐	☐	☐	☐	☐	☐
53	☑	☐	US 6304485 B1	20011016		Flash EEprom system	365/185.09			Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
54	☑	☐	US 6285827 B1	20010904		Optical disc recording apparatus, computer-rea	386/126	386/128; 386/70		Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
55	☑	☐	US 6279089 B1	20010821		Defective data site management through a sh	711/162	711/111; 711/112;		Schibilla, Mark R. et al.	☐	☐	☐	☐	☐	☐
56	☑	☐	US 6263459 B1	20010717		On the fly write reallocation	714/710			Schibilla, Mark R.	☐	☐	☐	☐	☐	☐
57	☑	☐	US 6226138 B1	20010501		Encoded TID with error detection and correctio	360/48	360/49		Blaum, Mario et al.	☐	☐	☐	☐	☐	☐
58	☑	☐	US 6223303 B1	20010424		Disk drive having two tiered defect list comp	714/8	714/54		Billings, Russell A. et al.	☐	☐	☐	☐	☐	☐
59	☑	☐	US 6201775 B1	20010313		Optical disk format having a continuous rec	369/44.29	369/44.28; 369/53.28		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
60	☑	☐	US 6185575 B1	20010206		In-place disk partition canonization and storag	707/200	711/112; 711/113;		Orcutt, Niel	☐	☐	☐	☐	☐	☐
61	☑	☐	US 6149316 A	20001121		Flash EEprom system	714/8	365/218; 714/7		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
62	☑	☐	US 6125469 A	20000926		Error correction method and apparatus	714/769			Zook, Christopher P. et al.	☐	☐	☐	☐	☐	☐
63	☑	☐	US 6118924 A	20000912		Optical disc recording apparatus computer-read	386/70	386/125; 386/126		Nakatani, Tokuo et al.	☐	☐	☐	☐	☐	☐
64	☑	☐	US 6091699 A	20000718		Optical disk format having a continuous rec	369/275.3	369/124.01 ;		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
65	☑	☐	US 6078463	20000620		Method and system for	360/77.12	360/48		Pahr, Per Olaf	☐	☐	☐	☐	☐	☐

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	U	1	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P		1	
65	☑	☐	US 6078463 A	20000620		Method and system for generating a position e	360/77.12	360/48		Pahr, Per Olaf	☐	☐	☐	☐	☐	☐
66	☑	☐	US 6067284 A	20000523		Recording power adjustment for optical	369/116	369/53.26		Ikeda, Toru et al.	☐	☐	☐	☐	☐	☐
67	☑	☐	US 6043945 A	20000328		Recording/reproducing device and method of re	360/53	360/47; 714/704;		Tsuboi, Takehiko et al.	☐	☐	☐	☐	☐	☐
68	☑	☐	US 6034831 A	20000307		Dynamic reverse reassign apparatus and	360/53	360/31; 360/47;		Dobbek, Jeffrey J. et al.	☐	☐	☐	☐	☐	☐
69	☑	☐	US 5999446 A	19991207		Multi-state flash EEprom system with sele	365/185.03	365/185.09 ;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
70	☑	☐	US 5991517 A	19991123		Flash EEprom system with cell by cell progr	714/3	714/8		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
71	☑	☐	US 5936971 A	19990810		Multi-state flash EEprom system with cach	714/710	365/200; 711/136		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
72	☑	☐	US 5933410 A	19990803		Optical disc and optical disc driving ap	369/275.3	369/275.4		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
73	☑	☐	US 5877986 A	19990302		Multi-state Flash EEprom system on a card	365/185.33	365/185.09 ;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
74	☑	☐	US 5867475 A	19990202		Optical record carrier and method for recordin	369/275.3	369/59.24		Moriya, Mitsurou et al.	☐	☐	☐	☐	☐	☐
75	☑	☐	US 5862080 A	19990119		Multi-state flash EEprom system with defe	365/185.29	365/185.33		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
76	☑	☐	US 5838658 A	19981117		Optical disc	369/275.4	369/275.2; 369/275.3;		Nakane, Kazuhiko et al.	☐	☐	☐	☐	☐	☐
77	☑	☐	US 5835509 A	19981110		Method of and apparatus for recording and repro	714/755	714/762		Sako, Yoichiro et al.	☐	☐	☐	☐	☐	☐
78	☑	☐	US 5732066 A	19980324		Optical record carrier and method for recordin	369/59.26	369/275.3		Moriya, Mitsurou et al.	☐	☐	☐	☐	☐	☐
79	☑	☐	US 5719808 A	19980217		Flash EEPROM system	365/185.33	365/185.22		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
80	☑	☐	US 5715105 A	19980203		Method of and apparatus for recording on and re	360/48	360/53; 360/77.08		Katayama, Yukari et al.	☐	☐	☐	☐	☐	☐
81	☑	☐	US 5712836 A	19980127		Apparatus and method for adjusting a rotatio	369/47.46			Kamoto, Hidetoshi et al.	☐	☐	☐	☐	☐	☐
82	☑	☐	US 5708649 A	19980113		Optical disk capable of storing information dat	369/275.3	369/47.19; 369/47.4;		Kamoto, Hidetoshi et al.	☐	☐	☐	☐	☐	☐
83	☑	☐	US 5671229 A	19970923		Flash eeprom system with defect handling	714/710	365/200; 714/3;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
84	☑	☐	US 5640383 A	19970617		Apparatus and method for reproducing data fr	369/275.3	369/44.26		Kamoto, Hidetoshi et al.	☐	☐	☐	☐	☐	☐
85	☑	☐	US 5615205 A	19970325		Bi-level optical media having embossed header	369/275.4	369/275.3		Belser, Karl	☐	☐	☐	☐	☐	☐
86	☑	☐	US 5602987 A	19970211		Flash EEprom system	714/8	365/200; 365/210;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
87	☑	☐	US 5602857 A	19970211		Error correction method and apparatus	714/769	714/765		Zook, Christopher P. et al.	☐	☐	☐	☐	☐	☐
88	☑	☐	US 5589998 A	19961231		Cylinder address storage in multiple ser	360/78.14	360/49; 360/76;		Yu, Mantle M.	☐	☐	☐	☐	☐	☐
89	☑	☐	US 5535328 A	19960709		Non-volatile memory	714/7	365/218;		Harari, Eliyahou	☐	☐	☐	☐	☐	☐

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90	☑	☐	US 5490264 A	19960206		Generally-diagonal mapping of address spac	711/154	711/100; 711/217;		Wells, Steven et al.	☐	☐	☐	☐	☐	☐
91	☑	☐	US 5463603 A	19951031		Computer disk drive integrated data path ci	360/67	360/61; 360/65;		Petersen, Corey D.	☐	☐	☐	☐	☐	☐
92	☑	☐	US 5420730 A	19950530		Servo data recovery circuit for disk drive	360/77.08	360/51; 360/78.14		Moon, Ronald R. et al.	☐	☐	☐	☐	☐	☐
93	☑	☐	US 5418852 A	19950523		Unauthorized use prevention method for o	705/57	360/60; 713/193		Itami, Satoshi et al.	☐	☐	☐	☐	☐	☐
94	☑	☐	US 5418752 A	19950523		Flash EEPROM system with erase sector selec	365/218	365/185.09;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
95	☑	☐	US 5303219 A	19940412		Reclamation of dust contaminated sectors in	369/53.17	369/53.24		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
96	☑	☐	US 5297148 A	19940322		Flash eeprom system	714/710	365/185.09		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
97	☑	☐	US 5293565 A	19940308		Fortmat for data-storing disk media	369/275.3	360/48		Jaquette, Glen A. et al.	☐	☐	☐	☐	☐	☐
98	☑	☐	US 5231545 A	19930727		Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
99	☑	☐	US 5212677 A	19930518		Defect inspecting apparatus for disc-shap	369/53.17	360/31; 369/30.07		Shimote, Yuuji et al.	☐	☐	☐	☐	☐	☐
100	☑	☐	US 5161136 A	19921103		Servo error detecting method of an optical di	369/30.11	369/44.26; 369/44.34		Segawa, Hideki	☐	☐	☐	☐	☐	☐
101	☑	☐	US 5077720 A	19911231		Optical information recording and reproduci	369/59.25	369/53.13; 369/59.26;		Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
102	☑	☐	US 5065382 A	19911112		Disc memory apparatus	369/44.26	360/77.05; 360/77.08;		Seko, Satoru et al.	☐	☐	☐	☐	☐	☐
103	☑	☐	US 4949326 A	19900814		Optical information recording and reproduci	369/53.17			Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
104	☑	☐	US 4914645 A	19900403		Optical disk tracking and seeking systems and	369/44.26	369/105; 369/124.05		Getreuer, Kurt W. et al.	☐	☐	☐	☐	☐	☐
105	☑	☐	US 4914530 A	19900403		Media defect management within disk drive secto	360/48	360/49; 360/50		Graham, Randolph H. et al.	☐	☐	☐	☐	☐	☐
106	☑	☐	US 4862295 A	19890829		Method of formatting a storage medium and driv	360/48	360/49; 369/59.25;		Tanaka, Shinichi et al.	☐	☐	☐	☐	☐	☐
107	☑	☐	US 4813011 A	19890314		Data processing peripheral subsystems h	711/4	360/77.03; 360/78.14;		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
108	☑	☐	US 4797868 A	19890110		Optical system employing a laser beam	369/44.12	250/201.4; 365/122;		Ando, Hideo	☐	☐	☐	☐	☐	☐
109	☑	☐	US 4764914 A	19880816		Least squares method and apparatus for deter	369/53.14	360/77.04; 369/111;		Estes, Marvin F. et al.	☐	☐	☐	☐	☐	☐
110	☑	☐	US 4649474 A	19870310		Chip topography for a MOS disk memory control	710/5			Ambrosius, III, William H. et al.	☐	☐	☐	☐	☐	☐
111	☑	☐	US 4647991 A	19870303		Disk channel controller	360/72.2	360/48		Zangenehpour, Saied	☐	☐	☐	☐	☐	☐
112	☑	☐	US 4549262 A	19851022		Chip topography for a MOS disk memory control	716/1	257/202; 257/923;		Chung, Randall M. et al.	☐	☐	☐	☐	☐	☐
113	☑	☐	US 4405952 A	19830920		Apparatus for detecting faulty sectors and for	360/49	360/39; 360/54		Slakmon, Gilbert	☐	☐	☐	☐	☐	☐
114	☑	☐	US 4398248 A	19830809		Adaptive WSI/MNOS solid	365/230.03	365/200		Hsia, Yukun et al.	☐	☐	☐	☐	☐	☐

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#	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P			
91	☑	☐	US 5463603 A	19951031		Computer disk drive integrated data path ci	360/67	360/61; 360/65;		Petersen, Corey D.	☐	☐	☐	☐	☐	☐
92	☑	☐	US 5420730 A	19950530		Servo data recovery circuit for disk drive	360/77.08	360/51; 360/78.14		Moon, Ronald R. et al.	☐	☐	☐	☐	☐	☐
93	☑	☐	US 5418852 A	19950523		Unauthorized use prevention method for o	705/57	360/60; 713/193		Itami, Satoshi et al.	☐	☐	☐	☐	☐	☐
94	☑	☐	US 5418752 A	19950523		Flash EEPROM system with erase sector selec	365/218	365/185.09		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
95	☑	☐	US 5303219 A	19940412		Reclamation of dust contaminated sectors in	369/53.17	369/53.24		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
96	☑	☐	US 5297148 A	19940322		Flash eeprom system	714/710	365/185.09;		Harari, Eliyahou et al.	☐	☐	☐	☐	☐	☐
97	☑	☐	US 5293565 A	19940308		Fortmat for data-storing disk media	369/275.3	360/48		Jaquette, Glen A. et al.	☐	☐	☐	☐	☐	☐
98	☑	☐	US 5231545 A	19930727		Fault tolerant RLL data sector address mark dec	360/49	341/59; 360/40		Gold, Clifford M.	☐	☐	☐	☐	☐	☐
99	☑	☐	US 5212677 A	19930518		Defect inspecting apparatus for disc-shap	369/53.17	369/30.07;		Shimote, Yuuji et al.	☐	☐	☐	☐	☐	☐
100	☑	☐	US 5161136 A	19921103		Servo error detecting method of an optical di	369/30.11	369/44.26; 369/44.34		Segawa, Hideki	☐	☐	☐	☐	☐	☐
101	☑	☐	US 5077720 A	19911231		Optical information recording and reproduci	369/59.25	369/53.13; 369/59.26;		Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
102	☑	☐	US 5065382 A	19911112		Disc memory apparatus	369/44.26	360/77.05; 360/77.08;		Seko, Satoru et al.	☐	☐	☐	☐	☐	☐
103	☑	☐	US 4949326 A	19900814		Optical information recording and reproduci	369/53.17			Takagi, Yuji et al.	☐	☐	☐	☐	☐	☐
104	☑	☐	US 4914645 A	19900403		Optical disk tracking and seeking systems and	369/44.26	369/105; 369/124.05		Getreuer, Kurt W. et al.	☐	☐	☐	☐	☐	☐
105	☑	☐	US 4914530 A	19900403		Media defect management within disk drive secto	360/48	360/49; 360/50		Graham, Randolph H. et al.	☐	☐	☐	☐	☐	☐
106	☑	☐	US 4862295 A	19890829		Method of formatting a storage medium and driv	360/48	360/49; 369/59.25;		Tanaka, Shinichi et al.	☐	☐	☐	☐	☐	☐
107	☑	☐	US 4813011 A	19890314		Data processing peripheral subsystems h	711/4	360/77.05; 360/78.14;		Kulakowski, John E. et al.	☐	☐	☐	☐	☐	☐
108	☑	☐	US 4797868 A	19890110		Optical system employing a laser beam	369/44.12	250/201.4; 365/122;		Ando, Hideo	☐	☐	☐	☐	☐	☐
109	☑	☐	US 4764914 A	19880816		Least squares method and apparatus for deter	369/53.14	360/77.04; 369/111;		Estes, Marvin F. et al.	☐	☐	☐	☐	☐	☐
110	☑	☐	US 4649474 A	19870310		Chip topography for a MOS disk memory control	710/5			Ambrosius, III, William H. et al.	☐	☐	☐	☐	☐	☐
111	☑	☐	US 4647991 A	19870303		Disk channel controller	360/72.2	360/48		Zangenehpour, Saied	☐	☐	☐	☐	☐	☐
112	☑	☐	US 4549262 A	19851022		Chip topography for a MOS disk memory control	716/1	257/202; 257/923;		Chung, Randall M. et al.	☐	☐	☐	☐	☐	☐
113	☑	☐	US 4405952 A	19830920		Apparatus for detecting faulty sectors and for	360/49	360/39; 360/54		Slakmon, Gilbert	☐	☐	☐	☐	☐	☐
114	☑	☐	US 4398248 A	19830809		Adaptive WSI/MNOS solid state memory system	365/230.03	365/200		Hsia, Yukun et al.	☐	☐	☐	☐	☐	☐